

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Great Western Drilling Co.

Telephone: 505-327-4892

e-mail address: paul@walsheng.net

Address: 7415 E. Main St. Farmington, NM 87402

Facility or well name: Nordhaus #9 API #: 30-039-27591 U/L or Qtr/Qtr B Sec 19 T 25N R7W

County: Rio Arriba Latitude Longitude

NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness 12 mil Clay ☐

Pit Volume 500 bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____

Construction material: _____

Double-walled, with leak detection? Yes ☐ If not, explain why not. _____

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet	(20 points)
50 feet or more, but less than 100 feet	(10 points)
100 feet or more X	(0 points) 0

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes	(20 points)
No X	(0 points) 0

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet	(20 points)
200 feet or more, but less than 1000 feet	(10 points)
1000 feet or more X	(0 points) 0

Ranking Score (Total Points)

0

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 07/07/04

Printed Name/Title Paul C. Thompson, P.E.

Signature *Paul C. Thompson*

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: DEPUTY OIL & GAS INSPECTOR, DIST. #1

Printed Name/Title

Signature *Henry Zent*

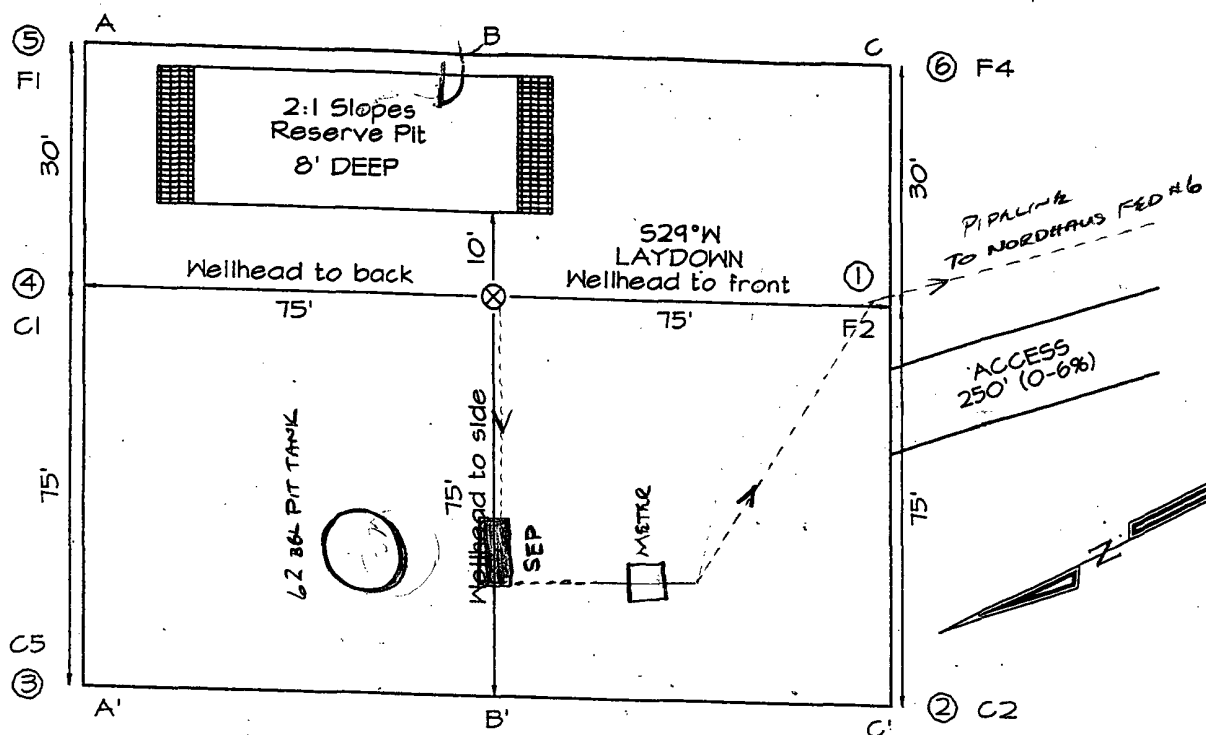
SEP 29 2004
Date:

PLAT #2

DATUM: NAD1927

PLAT NOTE:

****SURFACE OWNER***
Bureau of Land
Management



A-A'						
6501'						
6491'						
6481'						

B-B'						
6501'						
6491'						
6481'						

C-C'						
6501'						
6491'						
6481'						

Note: Contractor should call...

Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction.

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

iiná bá

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

iiná bá

Date: 21-Jul-04

CLIENT: Walsh Engineering 7 Production Corp.
Project: Landfarm and Reserve Pits
Lab Order: 0406014

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s), the quality control summary report(s) or the sample receipt checklist. Prep Comments for HG_SP, Sample 0406014-002A: The prep HoldTime was exceeded by 5.73 days. Prep Comments for HG_SP, Sample 0406014-003A: The prep HoldTime was exceeded by 5.75 days.

0406014-003A *NORDHAUS FEDERAL # 9*
Conductivity: 66.66 mS/cm
SAR: 421 Calculated
ESP: 86.10 Calculated

0406014-002A *NORDHAUS FEDERAL # 8*
Conductivity: 36.9 mS/cm
SAR: 73.0 Calculated
ESP: 51.6 Calculated

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

iiná bá

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

ANALYTICAL REPORT

Date: 21-Jul-04

CLIENT: Walsh Engineering 7 Production Corp.
Work Order: 0406014
Project: Landfarm and Reserve Pits
Lab ID: 0406014-003A

Client Sample Info: Norhaus Fed #9
Client Sample ID: Reserve Pit
Collection Date: 6/8/2004 4:00:00 PM
Matrix: SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: JEM
T/R Hydrocarbons: C10-C28	80.4	75.0		mg/Kg	1	6/15/2004
GASOLINE RANGE ORGANICS		SW8015B				Analyst: JEM
T/R Hydrocarbons: C6-C10	ND	4.50		mg/Kg	25	6/17/2004
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: JEM
Benzene	ND	25		µg/Kg	25	6/19/2004
Ethylbenzene	10	25	J	µg/Kg	25	6/19/2004
m,p-Xylene	30	50	J	µg/Kg	25	6/19/2004
Methyl tert-Bu:yl Ether	ND	250		µg/Kg	25	6/19/2004
o-Xylene	ND	25		µg/Kg	25	6/19/2004
Toluene	20	50	J	µg/Kg	25	6/19/2004
TRACE METALS IN SOIL		SW6010B				Analyst: DWC
Arsenic	2	2.3	J	mg/Kg	1	6/22/2004
Barium	76	0.87		mg/Kg	1	6/21/2004
Cadmium	ND	0.68		mg/Kg	1	6/21/2004
Chromium	7.6	1.2		mg/Kg	1	6/21/2004
Lead	4.3	1.6		mg/Kg	1	6/21/2004
Selenium	ND	2.1		mg/Kg	1	6/21/2004
Silver	ND	0.19		mg/Kg	1	6/21/2004
MERCURY, TOTAL		SW7471				Analyst: JEM
Mercury	0.011	0.018	J	mg/Kg	1	7/12/2004
ANIONS BY ION CHROMATOGRAPHY		E300				Analyst: JEM
Chloride	13900	20.0		ppm	200	6/14/2004

Qualifiers: ND - Not Detected at the Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
H - Parameter exceeded Maximum Allowable Holding Time

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

Page 3 of 3

MAINTAINING HARMONY BETWEEN MAN AND HIS ENVIRONMENT



Report Number
04-191-2111

13611 "B" Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121

www.midwestlabs.com

REPORT OF ANALYSIS

For: (6833) ON SITE TECHNOLOGIES LTD
(505)325-5667

Date Reported: 07/09/04

Date Received: 07/02/04

Date Sampled: 06/08/04

Mail to:

iina ba, LTD

Judy MOORE

PO BOX 2606

FARMINGTON NM 87499-2606

PO/Proj. #: ???

SOIL ANALYSIS

NORDHAUS FED #9 RESERVE PIT

Lab number: 988680

Sample ID: 0406014-003A

Analysis	Level Found	Units	Detection Limit	Method	Analyst-Date
Sodium Adsorption Ratio	421			CALCULATED	jpt-07/02
Sodium (water soluble)	21,020	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Magnesium (water soluble)	1.0	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Calcium (water soluble)	187	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Conductivity	66.6	mS/cm	0.01	SATURATED PASTE EXTRACT	dmg-07/09

Respectfully Submitted

Heather Ramig/Sue Ann Seitz/Rob Ferris
Client Services

$$ESP = \frac{100(-0.0126 + 0.01475 SAR)}{1 + (-0.0126 + 0.01475 SAR)}$$

$$ESP = \frac{100(-0.0126 + 0.01475^{421} SAR)}{1 + (-0.0126 + 0.01475^{421} SAR)}$$

$$ESP = \frac{619.7150}{7.1972} = 86.1050^{421}$$

The above analytical results apply only to the sample(s) submitted.

Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.